

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 7-2005)

ATTORNEY'S DOCKET NUMBER

## TRANSMITTAL LETTER TO THE UNITED STATES

083-06

DESIGNATED/ELECTED OFFICE (DO/EO/US)

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

NA

10/576327

INTERNATIONAL APPLICATION NO.  
PCT/JP2004/015760INTERNATIONAL FILING DATE  
October 19, 2004PRIORITY DATE CLAIMED  
October 20, 2003

## TITLE OF INVENTION

NEAR-INFRARED RAY-SHIELDING PAINT, NEAR-INFRARED RAY-SHIELDING  
LAMINATE OBTAINED THEREFROM AND PRODUCTION METHOD THEREOF

## APPLICANT(S) FOR DO/EO/US

Tetsuya Nakabeppu and Tsutomu Tamura

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☒ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 282453822 US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">10/576327</div>	INTERNATIONAL APPLICATION NO. <div style="font-weight: bold; margin-top: 10px;">PCT/JP2004/015760</div>	ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold; margin-top: 10px;">083-06</div>
23. Other items or information:		
The following fees have been submitted:		CALCULATIONS      PTO USE
24. <input checked="" type="checkbox"/> Basic national fee ..... \$300		\$ 300.00
25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 All other situations. .... \$200		\$ 200.00
26. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). ... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the ISA as an International Searching Authority. .... \$100 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. .... \$400 All other situations. .... \$500		\$ 500.00
<b>TOTAL OF 24, 25 and 26 =</b>		\$ 1,000.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)
43 - 100 =	0 /50 =	0
		x \$250.00
		\$ 0.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	48 - 20 =	28
Independent claims	1 - 3 =	0
		x \$50.00
		\$ 1,400.00
		x \$200.00
		\$ 0.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00		\$ 360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 2,760.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		\$ 0.00
<b>SUBTOTAL =</b>		\$ 2,760.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$ 0.00
<b>TOTAL NATIONAL FEE =</b>		\$ 2,760.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +		\$ 0.00
<b>TOTAL FEES ENCLOSED =</b>		\$ 2,760.00
		Amount to be \$
		Amount to be \$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ \$2,760.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0750. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

John F. McNulty, Esquire  
Paul & Paul  
2900 Two Thousand Market Street  
Philadelphia, PA 19103  
USA  
(215) 568-4900

  
SIGNATURE

John F. McNulty, Esquire

NAME

23,028

REGISTRATION NUMBER

April 19, 2006

DATE

PATENT

PCT INTERNATIONAL APPLICATION

Serial No.: NA

Filed: Herewith

Based on: PCT/JP2004/018420

Title: NEAR-INFRARED RAY-SHIELDING PAINT, NEAR-  
INFRARED RAY-SHIELDING LAMINATE OBTAINED  
THEREFROM AND PRODUCTION METHOD THEREOF

Inventor(s): Tetsuya Nakabeppu and Tsutomu Tamura

Priority Date

Claimed: October 20, 2003

Docket No.: 083-06

"EXPRESS MAIL" MAILING LABEL NO:  
EV 282453822 US  
DATE OF DEPOSIT April 19, 2006  
I HEREBY CERTIFY THAT THIS PAPER IS BEING  
DEPOSITED WITH THE UNITED STATES POST  
OFFICE "EXPRESS MAIL POST OFFICE TO  
ADDRESSEE" SERVICE UNDER 37 C.F.R. § 1.10  
ON THE DATE INDICATED ABOVE AND IS  
ADDRESSED TO THE COMMISSIONER FOR  
PATENTS P.O. BOX 1450, ALEXANDRIA, VA  
22313-1450  
NAME OF PERSON MAILING PAPER OR FEE  
Frank Pappa  
SIGNATURE:

EXPRESS MAIL COVER LETTER

*Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450*

Dear Sir:

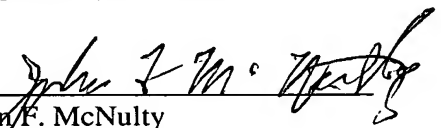
Enclosed and attached hereto are the following documents:

- (1) Express Mail Cover Letter;
- (2) International Application Transmittal form (3 pages);
- (3) Check in the amount of \$2,760.00 application filing fee;
- (4) Preliminary Amendment (7 pages);
- (5) Specification (36 pages);
- (6) Claims (6 pages);

- (7) Abstract (1 page);
- (8) Declaration Power of Attorney Document 3 pages (**executed**);
- (9) Copy of Request (Japanese language 5 pages);
- (10) Assignment with PTO form 1595;
- (11) Check in the amount \$40.00 recordation fee;
- (12) Copy of form PCT/IB/308 (Second and Supplementary Notice Informing the Applicant of the Communication of the International Application to the Designated Offices Which Apply the 30 Month Time Limit under Article 22(1)) 1 sheet;
- (13) First two pages of the International Application (Japanese language 2 pages);
- (14) Copy of International Search Report (2 pages);
- (15) Information Disclosure Statement with PTO form 1449 and attachments (8); and
- (16) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER NO. 3912.

Respectfully submitted,

  
John F. McNulty  
Reg. No. 23,028  
Paul & Paul  
2900 Two Thousand Market St.  
Philadelphia, PA 19103  
(215) 568-4900